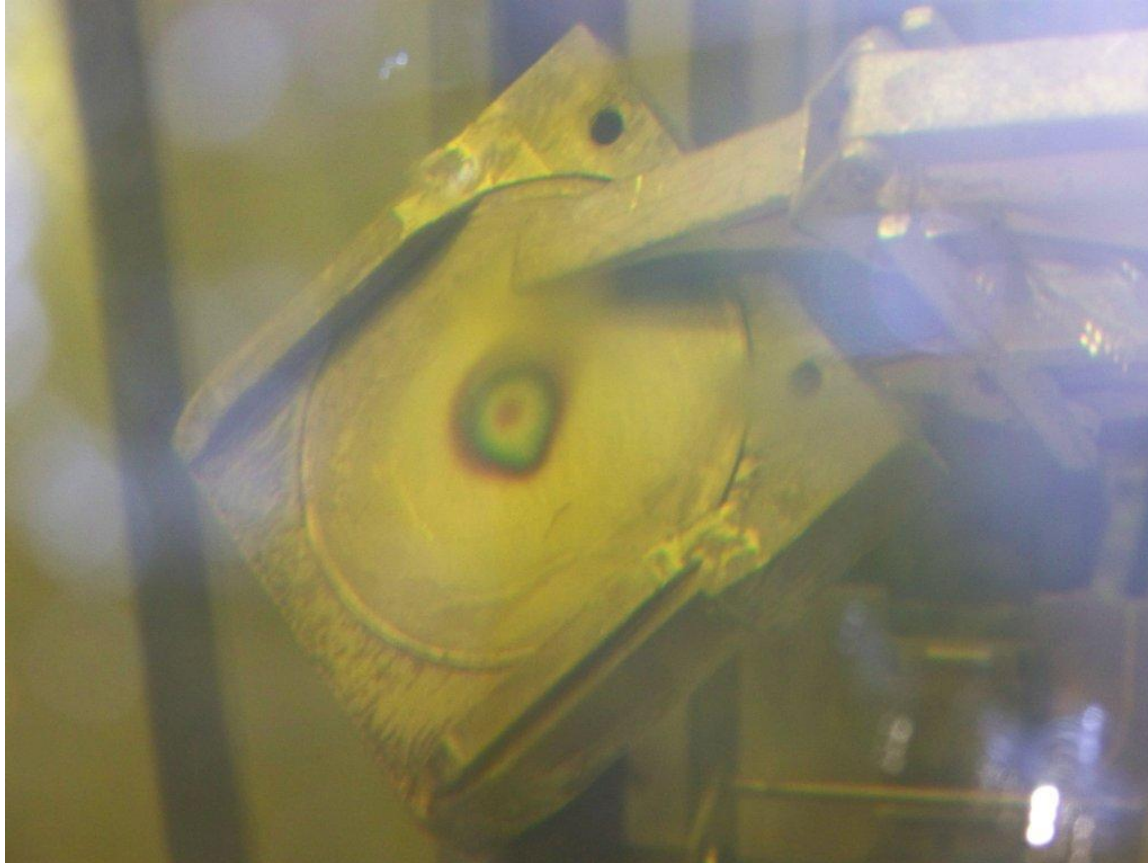


BLIP Operations 05-01-12

- Status – operations at 117 MeV
 - Weekly average beam current 106.3 μ A. Beam on target for 167.3 hours, with zero unscheduled down time. This is our all time reliability record!
- Issues
 - Two RbCl targets for Sr-82 production have leaked. These are normally very robust, with no failures in at least the last 6 years even at beam current as high as now. The investigation of the cause has concentrated on evidence that the beam spot is smaller than previously, but Linac has made no changes to the tune.
 - Cu-67 research irradiation uses a small diameter target that intercepted a measured 75% of the beam, compared to 60% typically. This implies a tighter focus. In addition the visual burn mark on all target faces is smaller than usual. A high resolution measurement of the beam profile will be performed today. Also the coolant temperature has been 10 degrees higher than previously and will be returned to old value. Beam current will be dropped another 10% for now.
 - Supplemental Sr-82 was received from France, processed and adds a needed 933mCi of Sr-82 to our inventory.
 - Need for high current operation at 140 MeV on May 4-7, requires Linac maintenance shutdown tomorrow morning.



Burn mark on BLIP target

Spot is well centered but noticeably smaller than typical.

BLIP “luminosity”

To Date Accum. uA-hrs

